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PATENT & TRADEMARK OFFICE

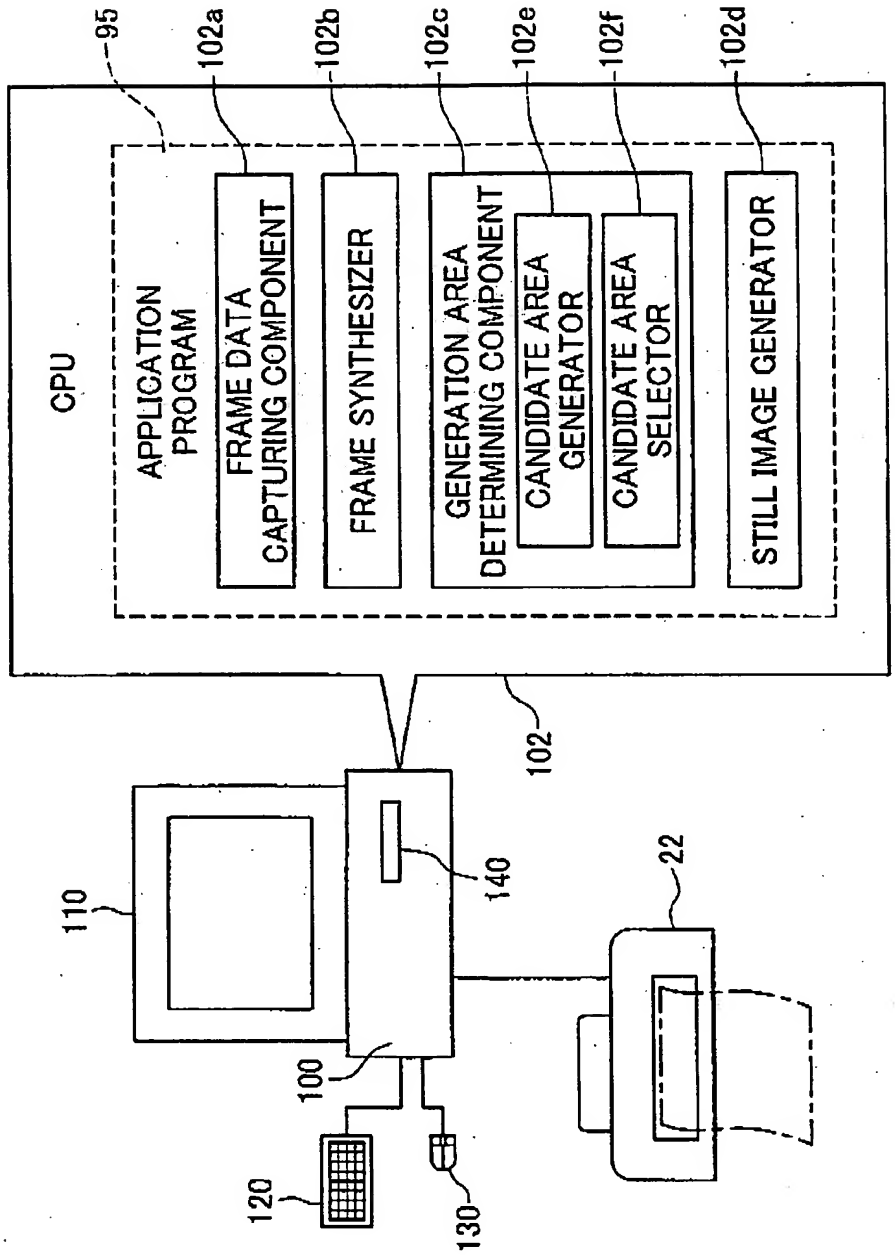


Fig.1

Fig.2

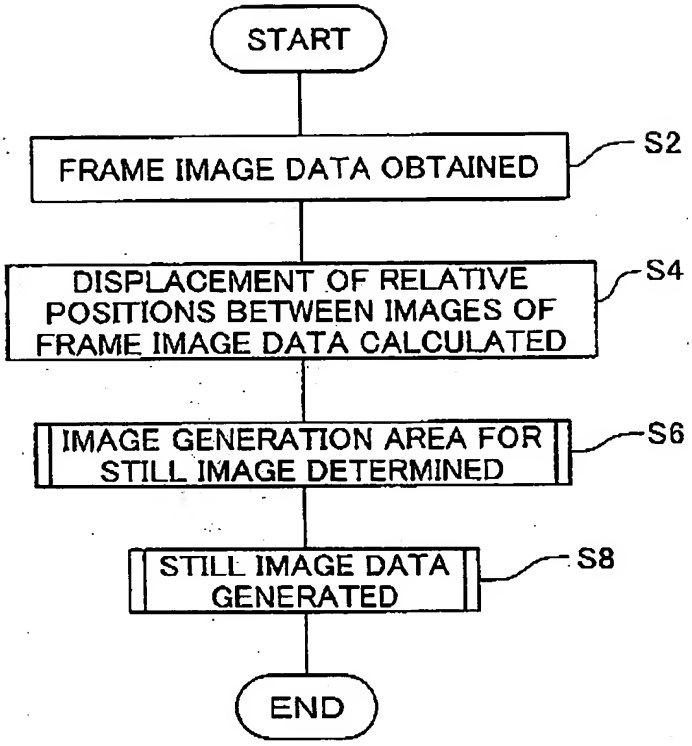

START
FRAME IMAGE DATA OBTAINED
S2
DISPLACEMENT OF RELATIVE POSITIONS BETWEEN IMAGES OF FRAME IMAGE DATA CALCULATED
S4
IMAGE GENERATION AREA FOR STILL IMAGE DETERMINED
S6
STILL IMAGE DATA GENERATED
S8
END

Fig.3

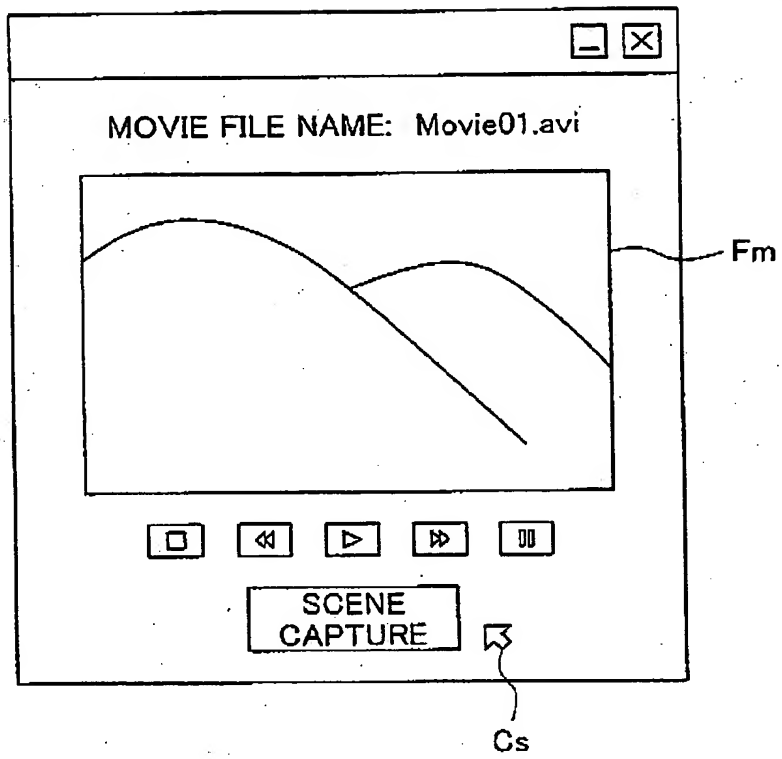
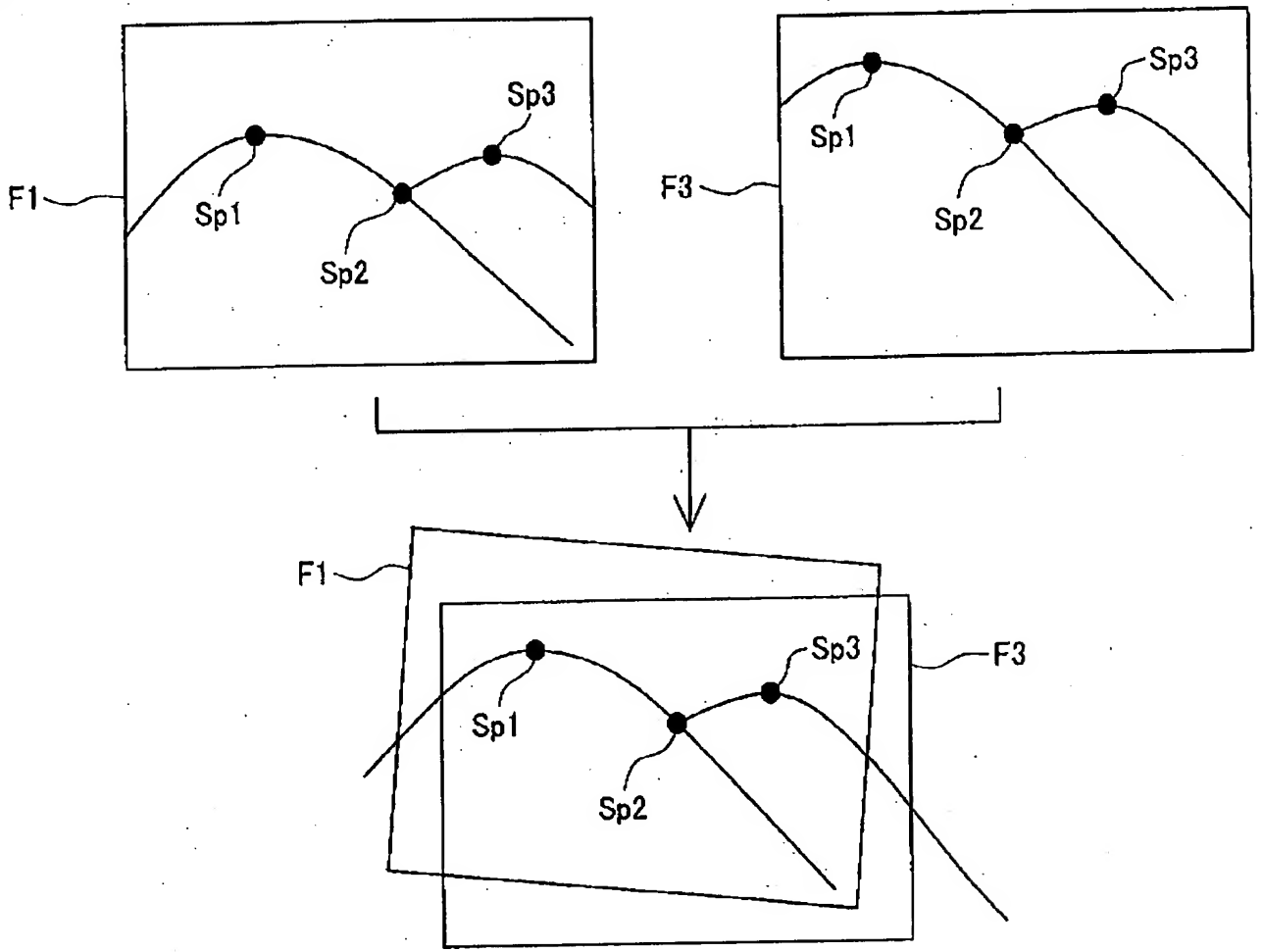


Fig.4



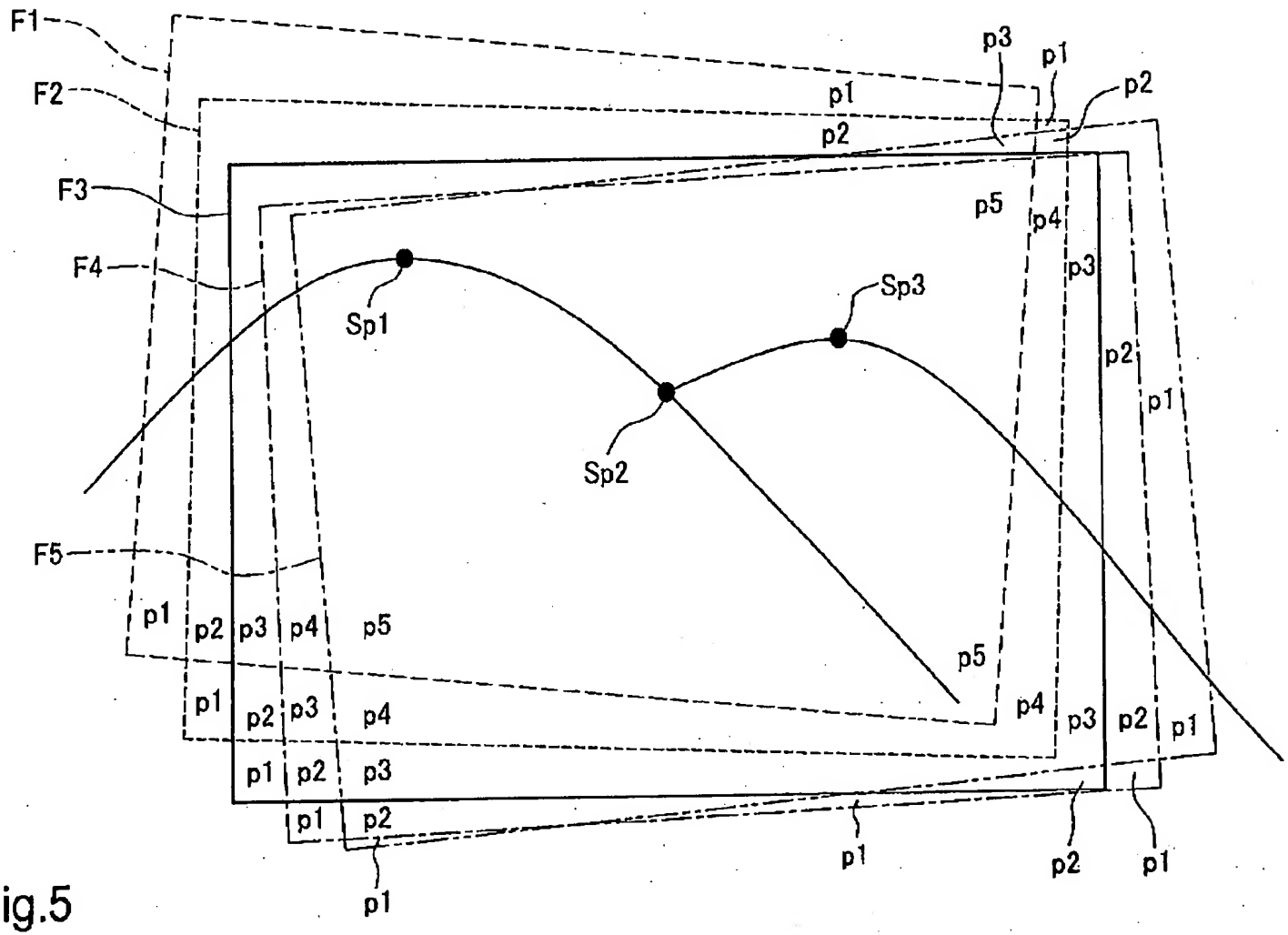


Fig.5

Fig.6

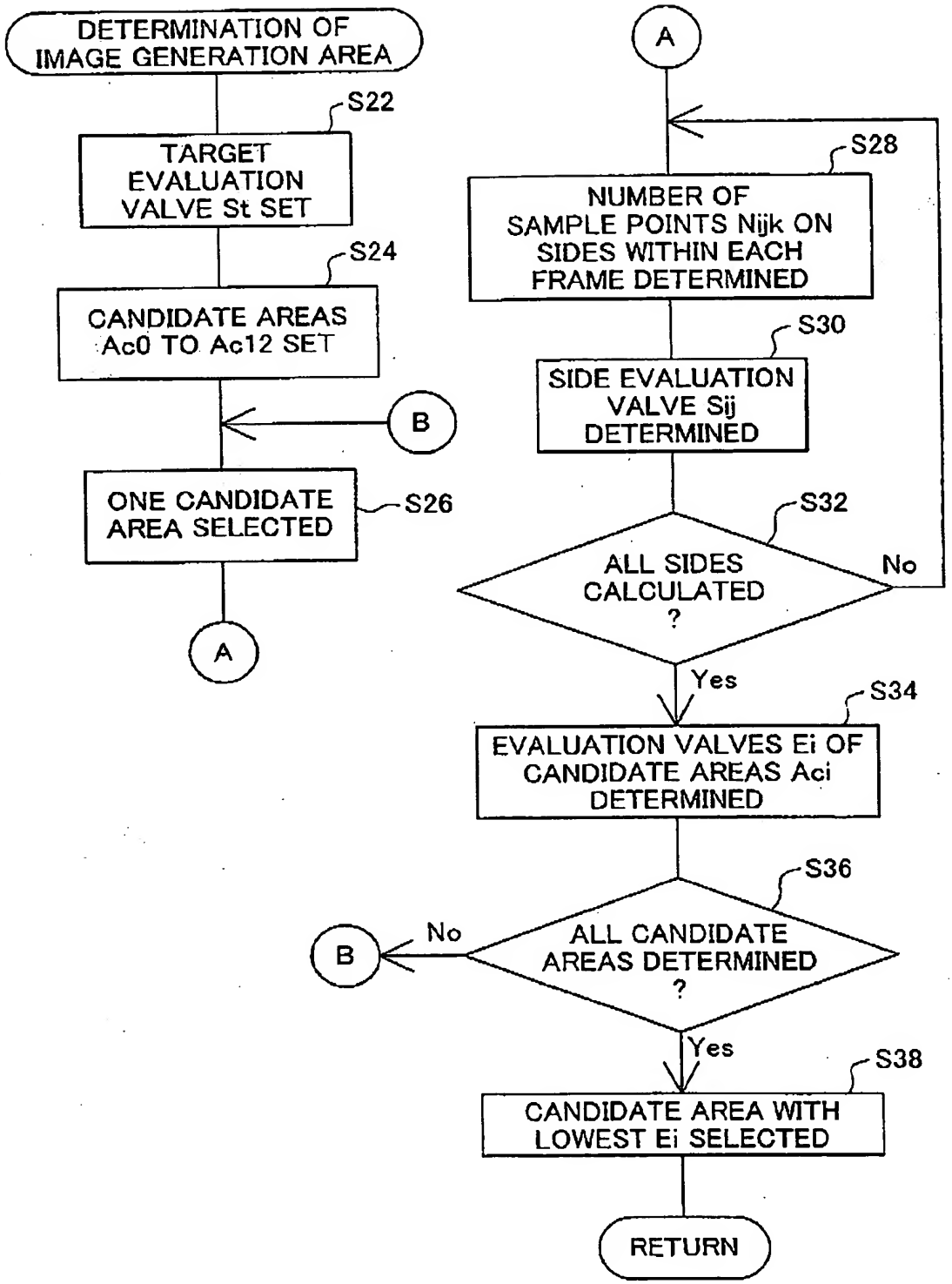

DETERMINATION OF IMAGE GENERATION AREA
S22
TARGET EVALUATION VALVE St SET
S24
CANDIDATE AREAS Ac0 TO Ac12 SET
B
ONE CANDIDATE AREA SELECTED
S26
A
A
S28
NUMBER OF SAMPLE POINTS Nijk ON SIDES WITHIN EACH FRAME DETERMINED
S30
SIDE EVALUATION VALVE Sij DETERMINED
S32
ALL SIDES CALCULATED ?
No
Yes
S34
EVALUATION VALVES Ei OF CANDIDATE AREAS Aci DETERMINED
S36
ALL CANDIDATE AREAS DETERMINED ?
No
B
Yes
S38
CANDIDATE AREA WITH LOWEST Ei SELECTED
RETURN

Fig.7

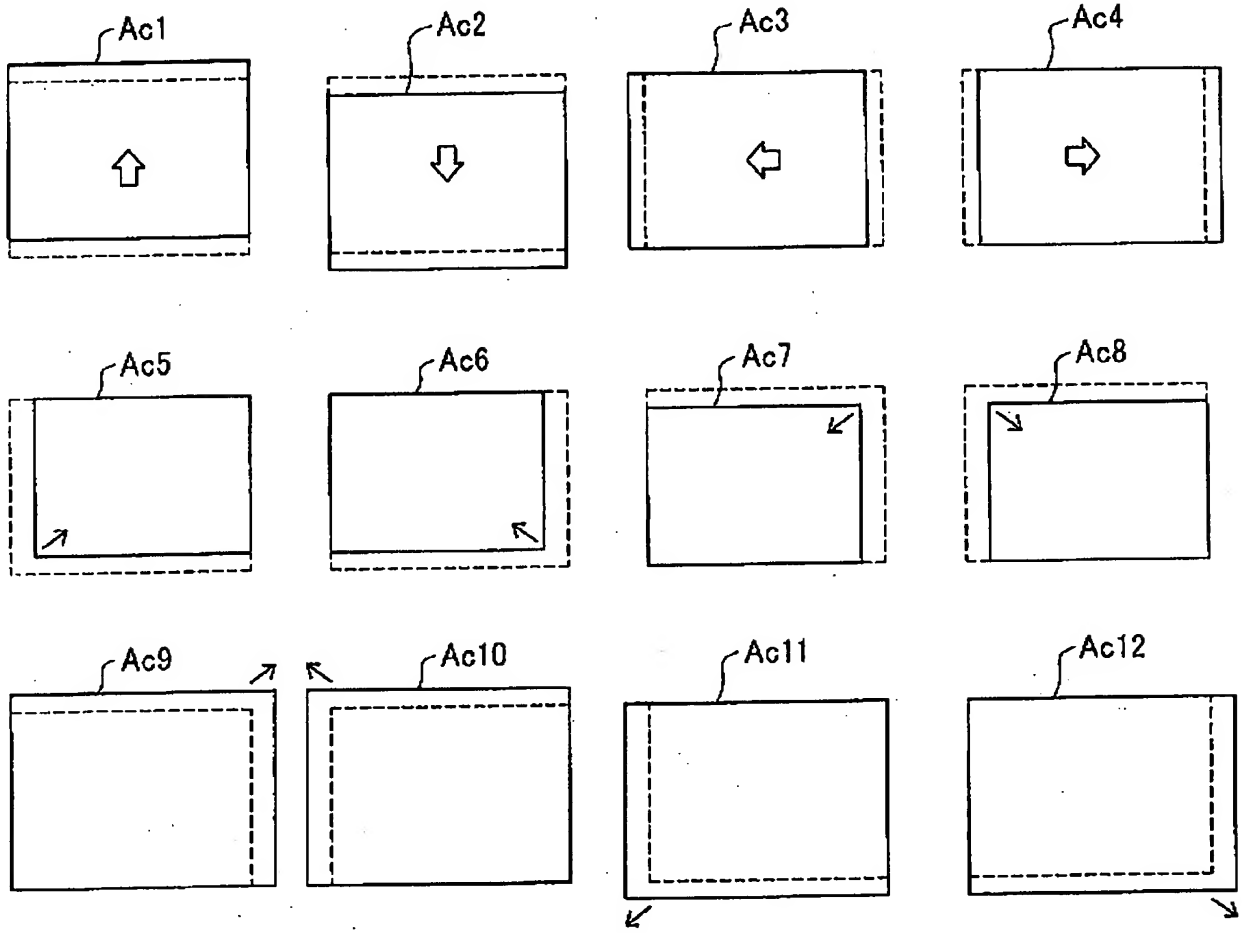
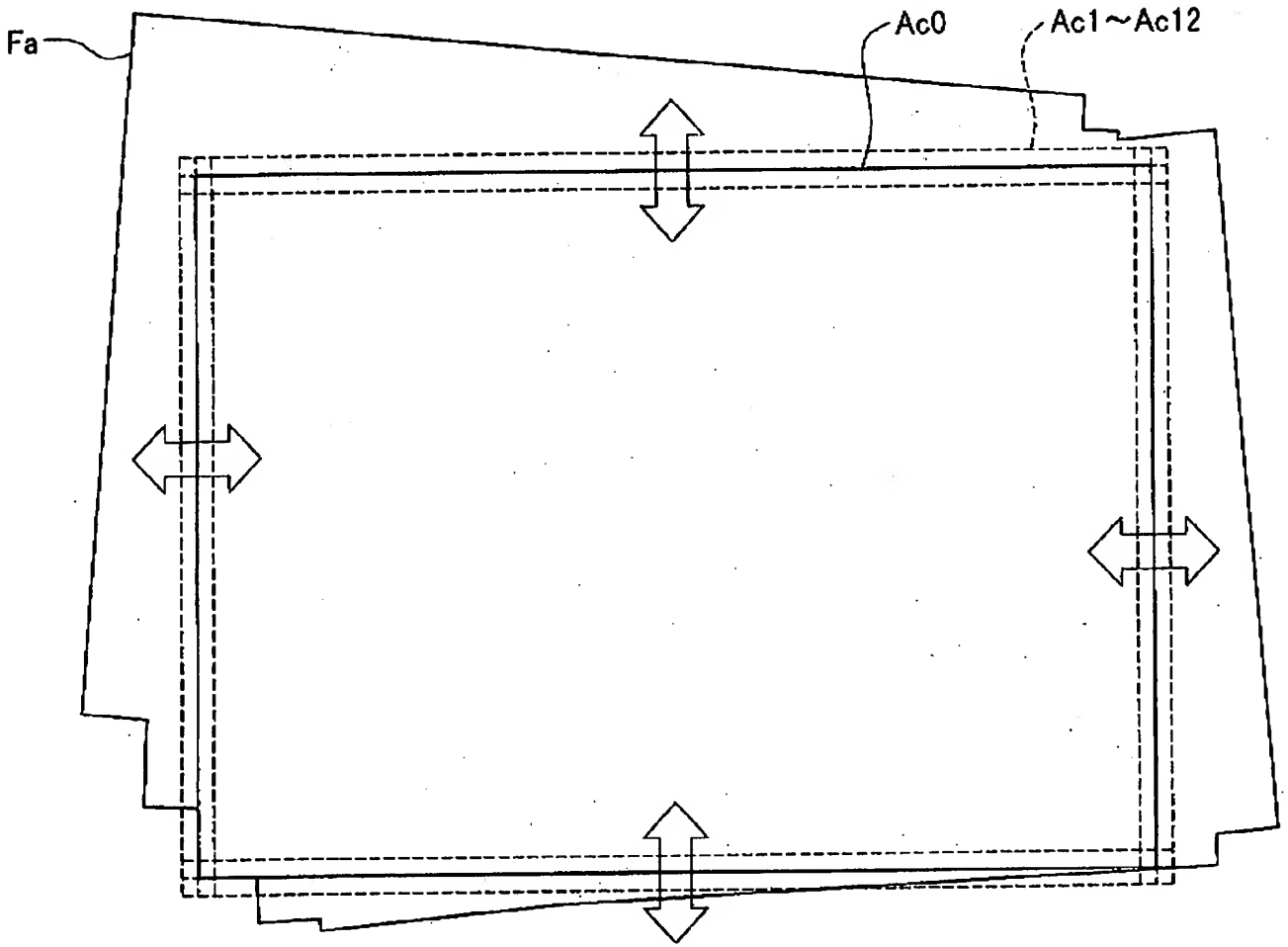


Fig.8



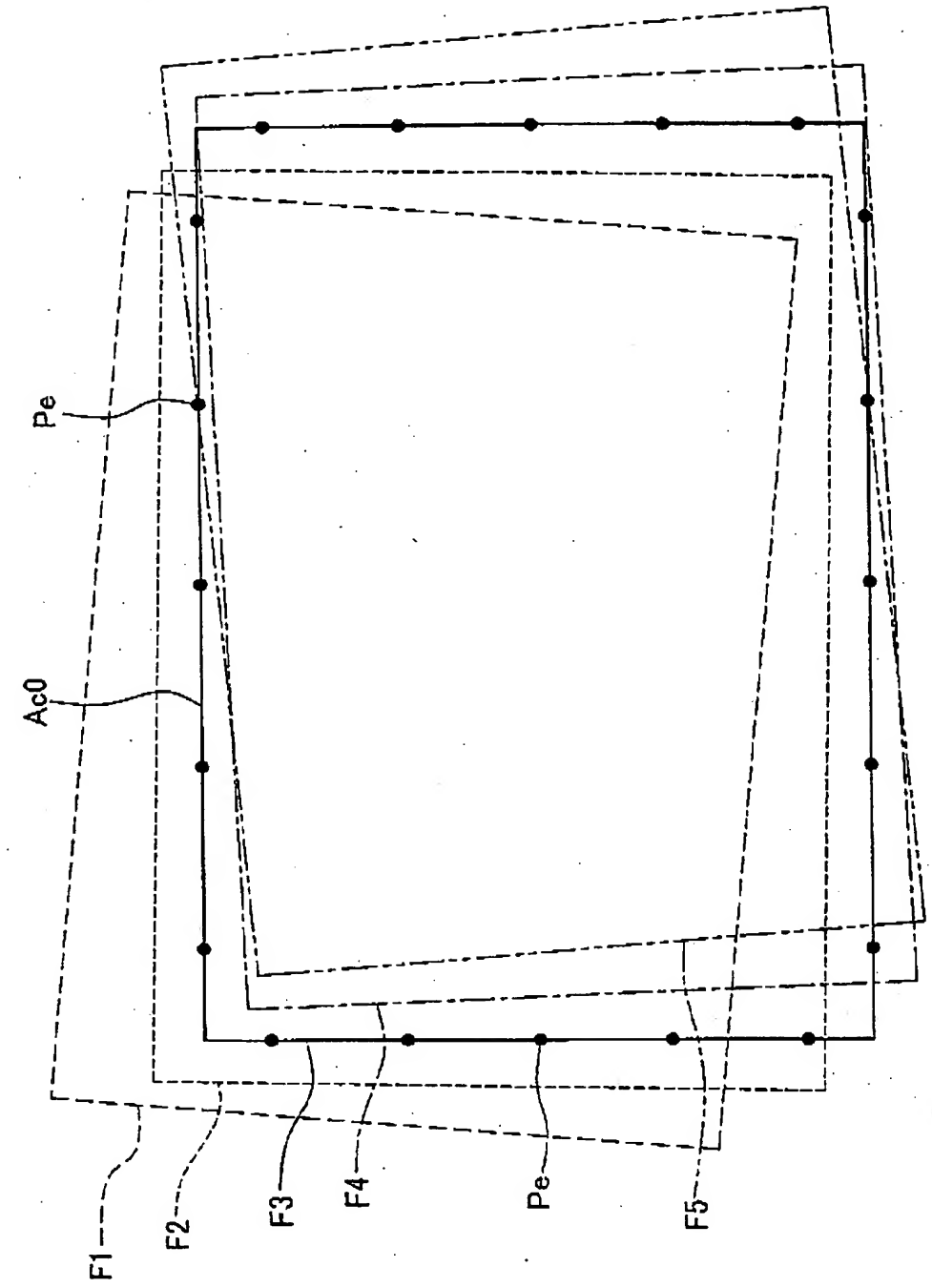


Fig.9

Fig.10

	NUMBER OF SAMPLE POINTS N_{0jk} IN FRAME					EVALUATION VALVE S_{0j} OF SIDES	EVALUATION VALVE E_0 OF CANDIDATE AREA
	F1	F2	F3	F4	F5		
LEFT SIDE	4	5	0	0	0	$S_{01} = 1.8$	17.68
RIGHT SIDE	0	0	0	5	5	$S_{02} = 2.0$	
UPPER SIDE	5	5	0	0	0	$S_{03} = 2.0$	
BOTTOM SIDE	0	0	0	4	5	$S_{04} = 1.8$	

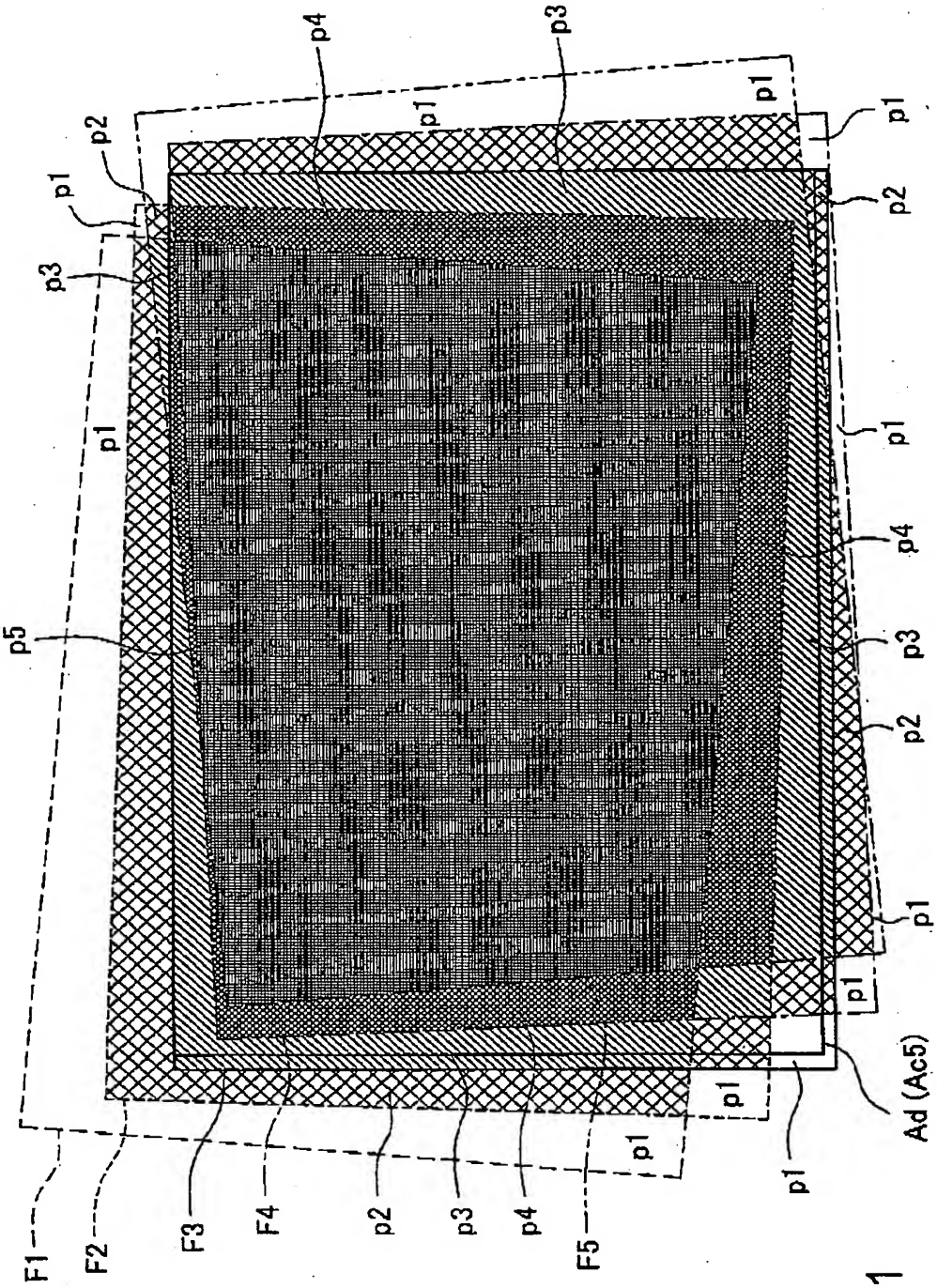

p4
p3
p1
p2
p1
p1
p1
p2
p3
p1
p1
p4
p5
p3
p2
p1
p1
p1
Ad (Ac5)
p1
p1
F1
F2
F3
F4
p2
p3
p4
F5

Fig.11

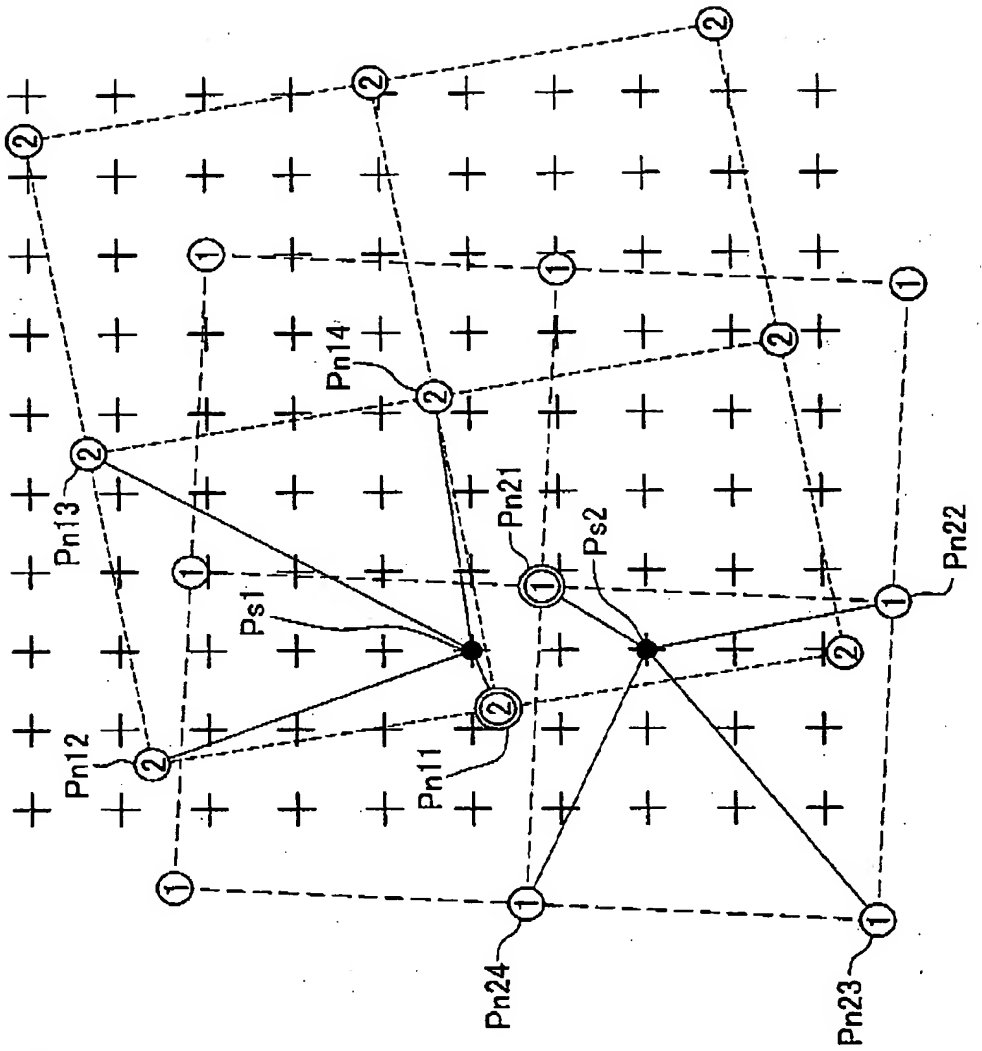
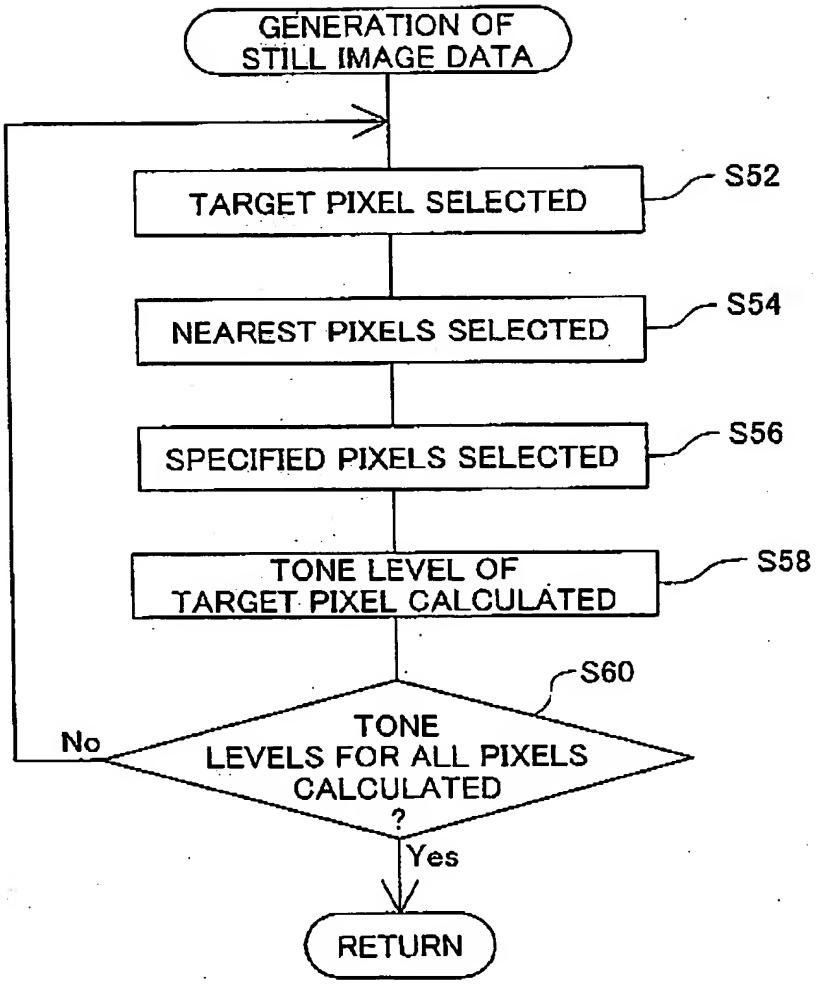


Fig.12

Fig.13


GENERATION OF STILL IMAGE DATA
TARGET PIXEL SELECTED
S52
NEAREST PIXELS SELECTED
S54
SPECIFIED PIXELS SELECTED
S56
TONE LEVEL OF TARGET PIXEL CALCULATED
S58
S60
TONE LEVELS FOR ALL PIXELS CALCULATED ?
No
Yes
RETURN

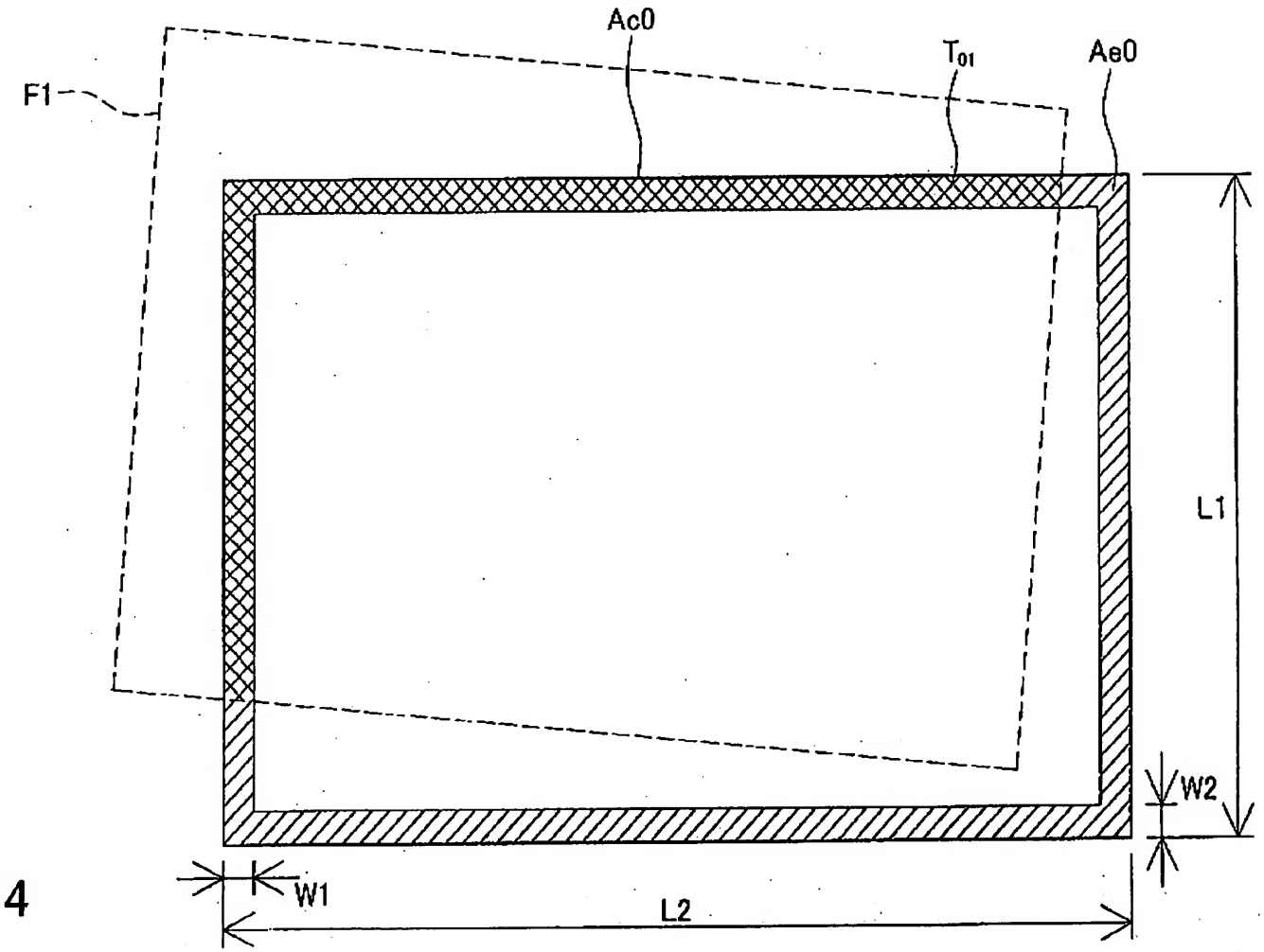


Fig.14

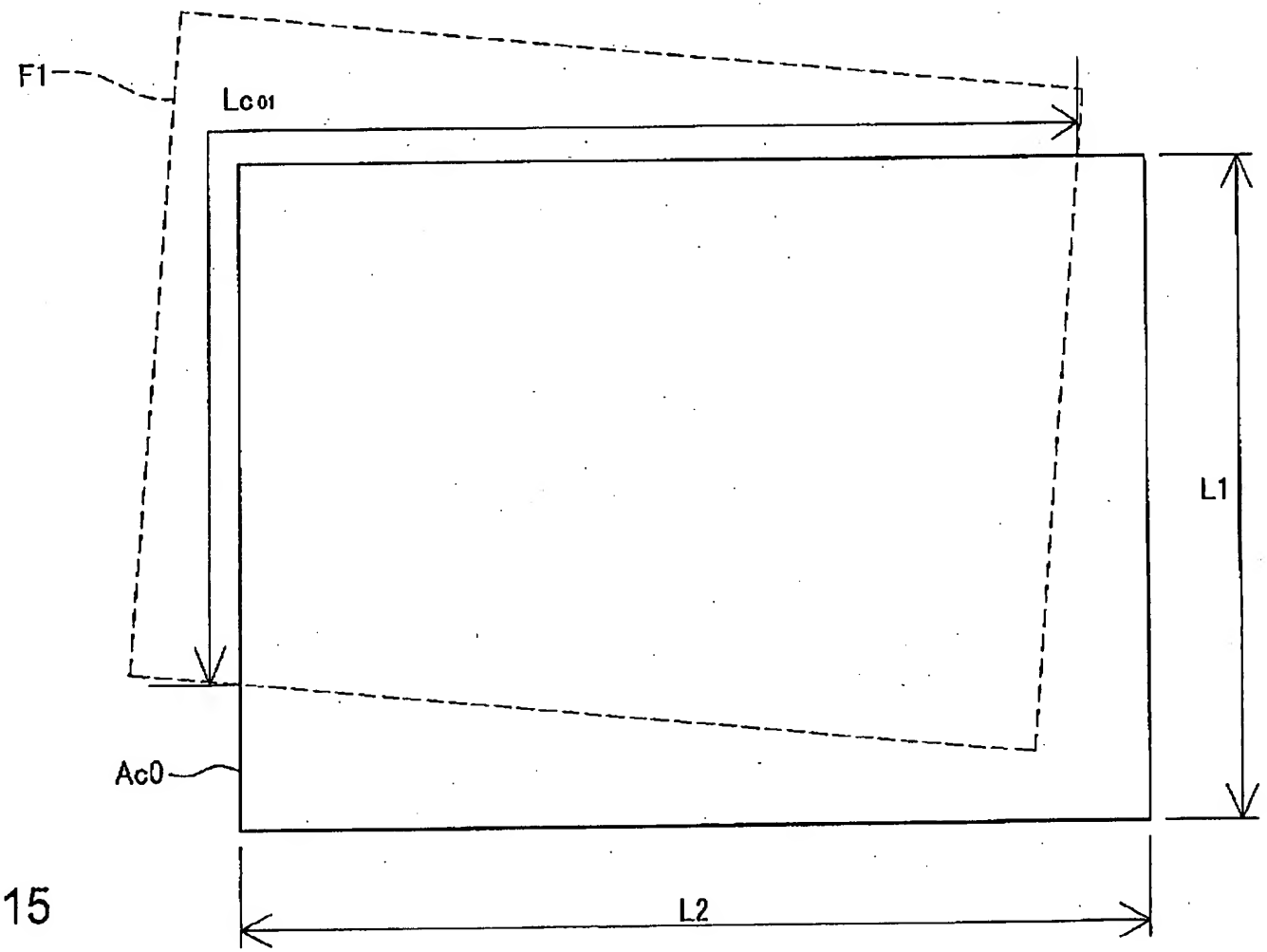


Fig.15

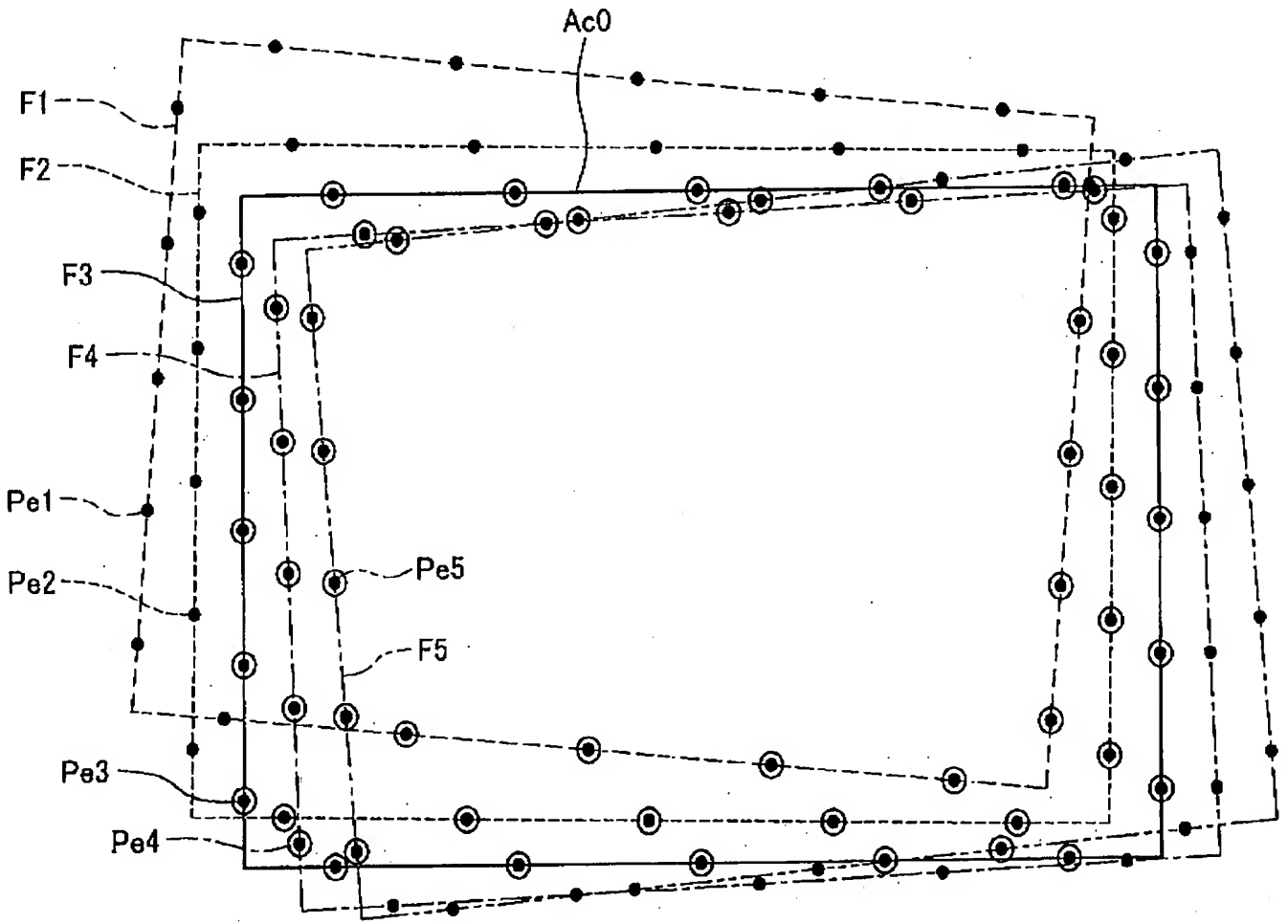


Fig.16

Fig.17

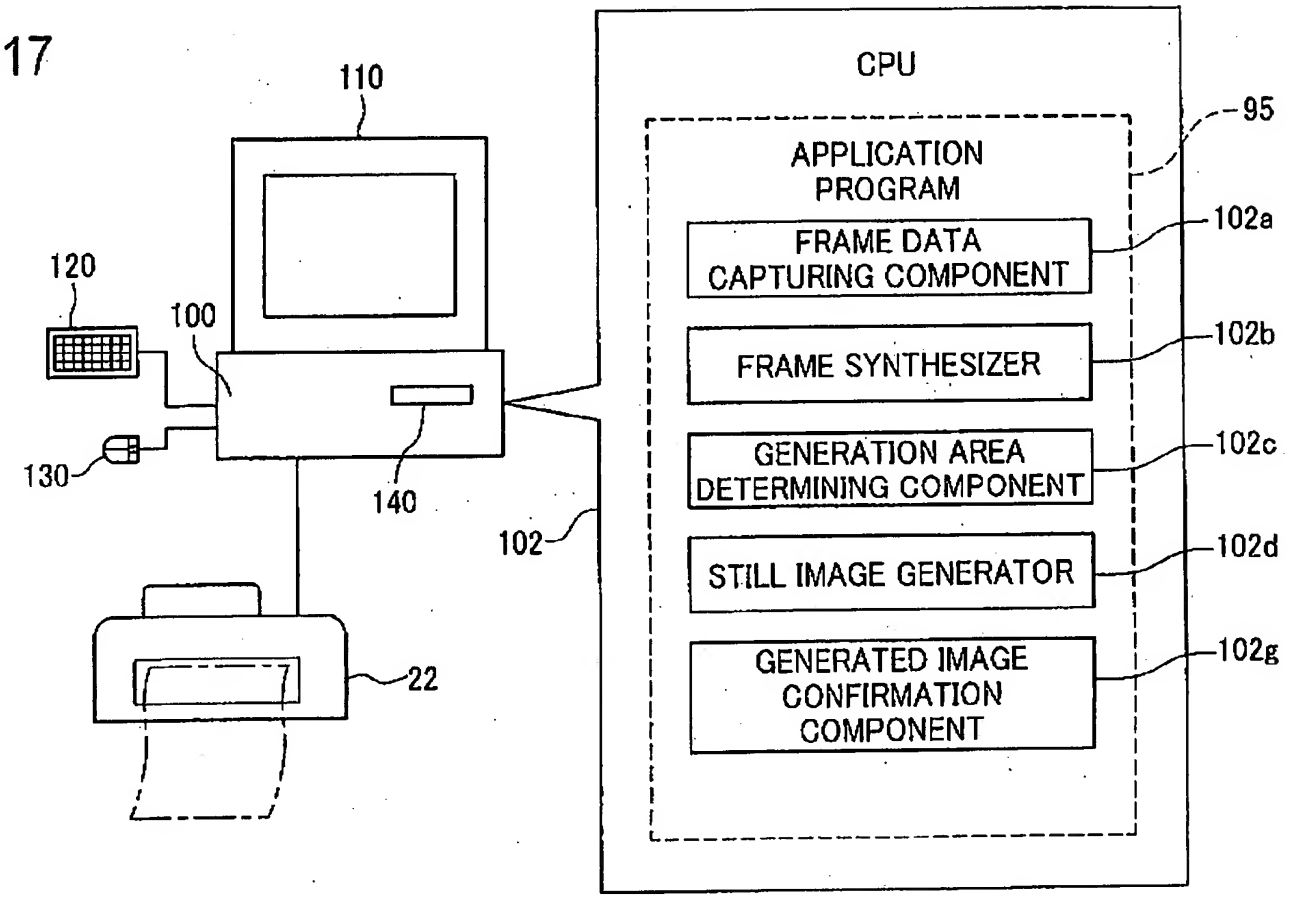
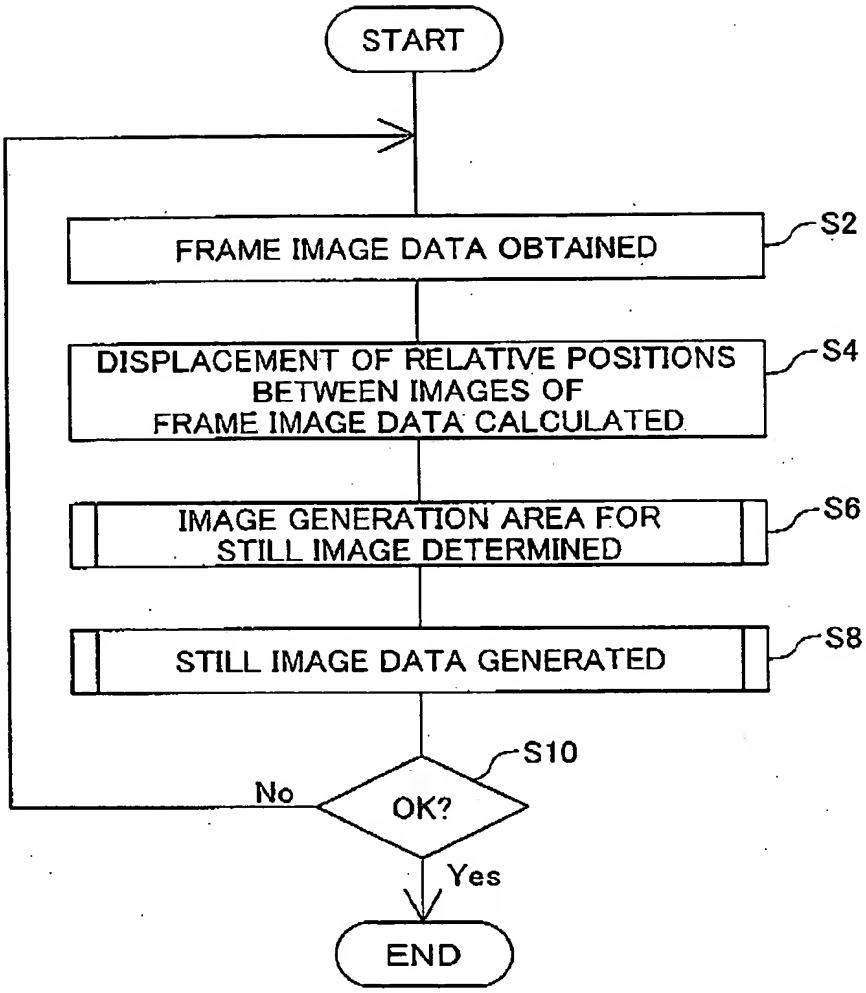

110
120
100
130
140
102
22
CPU
95
APPLICATION PROGRAM
FRAME DATA CAPTURING COMPONENT
102a
FRAME SYNTHESIZER
102b
GENERATION AREA DETERMINING COMPONENT
102c
STILL IMAGE GENERATOR
102d
GENERATED IMAGE CONFIRMATION COMPONENT
102g

Fig.18


START
FRAME IMAGE DATA OBTAINED
S2
DISPLACEMENT OF RELATIVE POSITIONS BETWEEN IMAGES OF FRAME IMAGE DATA CALCULATED
S4
IMAGE GENERATION AREA FOR STILL IMAGE DETERMINED
S6
STILL IMAGE DATA GENERATED
S8
S10
No
OK?
Yes
END

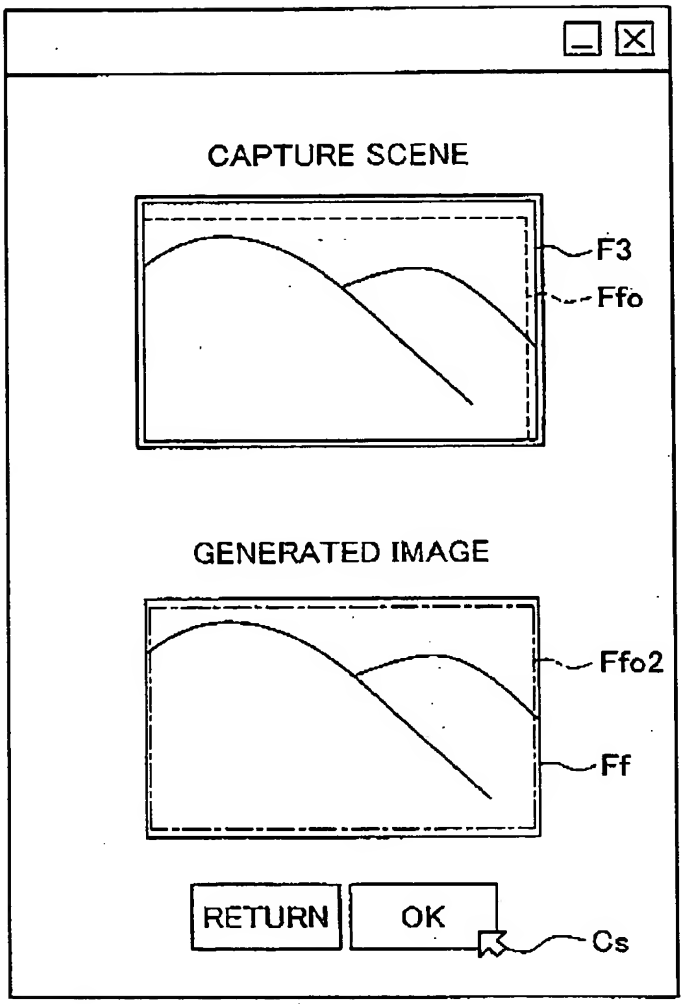



Fig.19